

Slope Intercept Form

Are you taking notes?

Slope Intercept Form

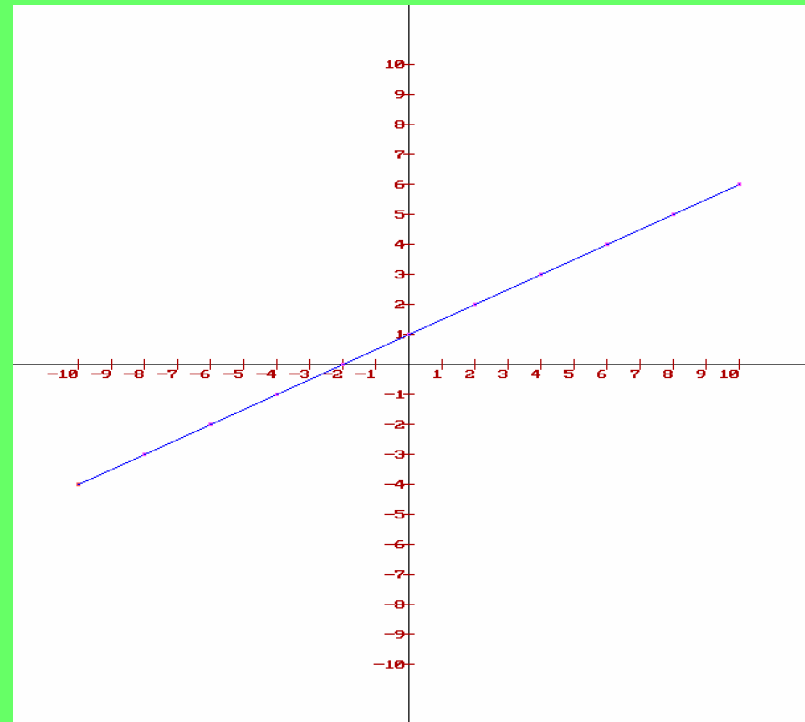
- $y = mx + b$
- The x and y are variables
- m = slope
- b = the y intercept

Example #1

$$y = \frac{1}{2}x + 1$$

$$m = \frac{1}{2}$$

$$b = 1$$

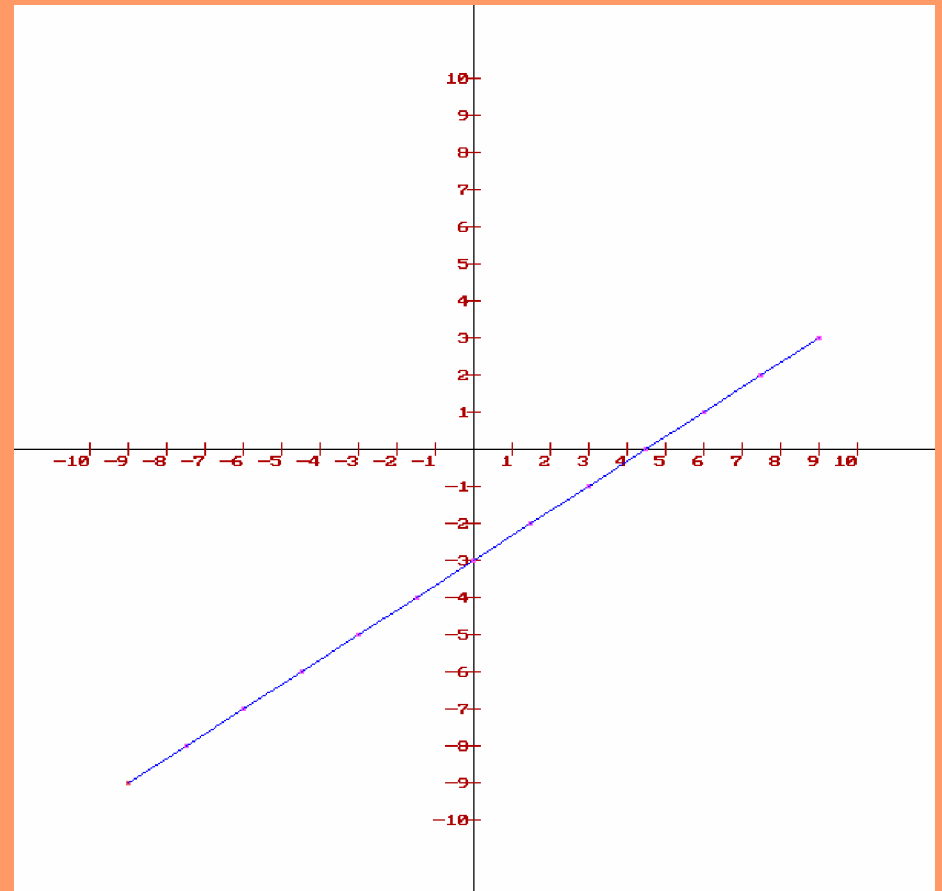


Example #2

$$y = \frac{2}{3}x - 3$$

$$m = 2/3$$

$$b = -3$$



Example #3

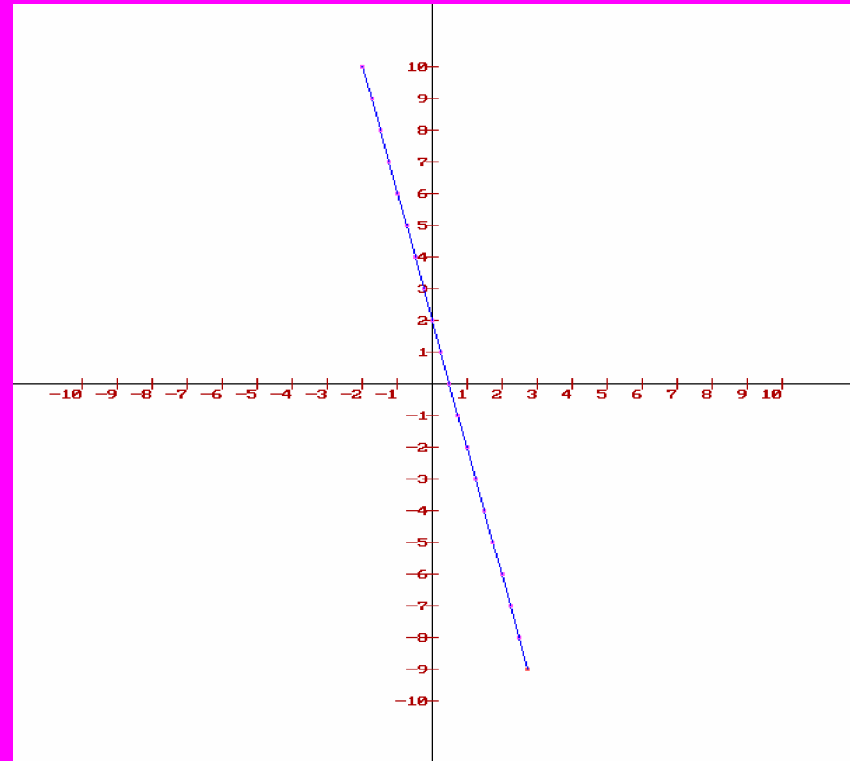
$$4x + y = 2$$

Solve for y

$$y = -4x + 2$$

$$m = -4$$

$$b = 2$$



Example #4

$$3x + 2y = 6$$

Solve for y:

$$y = -\frac{3}{2}x + 3$$

